

Ershad Kunnakkadan

Résumé

+91 80891 33362

hello@ershadk.com

ershadk.com

Technical skills

Languages	Ruby, Python, Go, C, C++, Lua, HCL, Shell Script, HTML/CSS/Haml/SaSS, JavaScript, Visual Basic, Embedded programming with C	Frameworks	Ruby on Rails, WebDriverIO, ReactJS, AngularJS, Qt4, Pyxmpp, python-twitter, jQuery, gammu, gloox, Silpa
DevOps	AWS, Heroku, Cloudflare, DigitalOcean, Docker, Ansible, Chef, Terraform, Nomad, Consul, Vault, Okta	Software Packages	PostgreSQL, MySQL, MongoDB, L ^A T _E X, Adobe Photoshop, Office suites

Work Experience and Positions

July 2015 – Present **Senior Software Engineer**, *BigBinary*, Remote/San Francisco, <https://bigbinary.com>. Full Stack Developer. Consulting for various clients of BigBinary. Notable work -

- o **Gumroad, Inc.** <https://gumroad.com>
 - Dockerized and terraformed the AWS infrastructure.
 - Tuned the performance of the application and reduced infrastructure costs by 10%.
 - Built the feature and infrastructure to enable SSL for all custom domains.
- o **Vineti, Inc.** <https://vineti.com.com>
 - Integrated Keycloak IdP setup for application instances in Jenkins pipeline.
 - Updated the application to support multiple translations.
- o **Quor** <https://www.quorstudio.com>
 - Built financial analytics platform to manage agriculture farms.
- o **Emami Frank Ross Ltd.** <https://www.quorstudio.com>
 - Helped move online pharmacy infrastructure from one AWS region to another.

Jan 2013 – July 2015 **Software Architect**, *BangTheTable*, *Bangalore*, <https://bangthetable.com>. Lead of one of the team. Designed and implemented solutions for the flagship product EngagementHQ while taking care of its DevOps, scalability and security. Notable work -

- o **Engagement tools**
 - Brainstormed and built various engagement tools including a new ideation tool.
- o **Data migration**
 - Built tools to move the data of 100+ clients from their individual Rails apps to the latest SaaS version of EngagementHQ.

May 2012 – Dec 2012 **Software Engineer**, *BangTheTable*, *Bangalore*, <https://bangthetable.com>. Contributed to the development of various software products of Bang the Table.

Mar 2012 – Apr 2012 **Developer Intern**, *BangTheTable*, *Bangalore*, <https://bangthetable.com>. Learned and developed software for BangTheTable.

Oct 2011 – Feb 2012 **Systems Programmer**, *Rainbowlive Technologies, Kochi*, <https://rainbowlive.in>.
Developed computer network based products.

Education

o Bachelor's degree in Computer Science from Bharathiyar University, India.

Google Summer of Code (GSoC)

2014 **Language detection and filter in Diaspora**, *Swathanthra Malayalam Computing*.
Mentored a student who built the language detection and filter in Diaspora.

2013 **Grandham - Bibliography data project**, *Swathanthra Malayalam Computing*.
Built Grandham platform and APIs. Successfully completed the project.

Security Bounty

o **GitHub** – <https://bounty.github.com/researchers/ershad.html>
Found a security vulnerability in GitHub Gist.

o **Prezi.com** – <https://prezi.com/bugbounty/whitehats>
Found a security vulnerability which exposed title of presentations in database.

Open Source Contributions

2017 **GitLab, Inc.**, Built a feature to directly address users in description / comments.,
<http://contributors.gitlab.com/contributors/ershad-kunnakkadan/commits>.

2012 **Wikimedia**, Fixed issues related to Universal Language Selector, <https://wikimedia.org>.

2009 – Present **Swathanthra Malayalam Computing**, Developed and translated applications for the local community, <https://smc.org.in>.

Other contributions, <https://github.com/ershad>.

Blogs

o **BigBinary Blog** – <https://blog.bigbinary.com/authors/ershad>
Wrote technical posts on Ruby on Rails and DevOps.

o **Personal Blog** – <http://blog.ershadk.com>

Pet Projects

o **SaveCloudCost** <https://savecloudcost.com>
Work-in-progress side venture to help companies cut down their infrastructure costs.

o **TalentSpace**
Founded a hacker school and taught Ruby on Rails to 6 students over a span of 2 months.

- **QuizGrid** – <https://quizgrid.com> (Terminated)
A Social network based on quiz.
- **Myfest** – <https://myfest.in> (Terminated)
A web application in Ruby on Rails to find and share campus fests across India.
- **Salt Analysis Simulator**
Higher secondary school project. Simulation of laboratory salt analysis process.
- **Twitter Malayalam Dictionary bot**
A Malayalam dictionary twitter bot based on SILPA framework of SMC.

Achievements

- Nov 2012 **Hackathon, Wikimedia Foundation.**
Won the prize for 'The most innovative project' in Wikimedia DevCamp conducted at IIM Bangalore
- Jul 2012 **Hackathon, Innoz technologies, Bangalore.**
Won third prize in the National Level Hackathon conducted at Innoz technologies, Bangalore
- Mar 2012 **Shell Scripting Contest, Saintgits College of Engineering, Kottayam.**
Won first prize in the National Level Shell scripting competition conducted as a part of Nakshatra Tech fest
- Feb 2012 **Shell Scripting Contest – Scriptaculous, TKM College of Engineering, Kollam.**
Won first prize in the National Level Shell scripting competition conducted as a part of Conjura Tech fest
- Feb 2012 **Virus infiltration and healing competition – Virus Evacuation, College of Engineering Kolloppara, Pathanamthitta.**
Won first prize in the National Level Virus Healing Contest conducted as a part of Dhanus Tech fest
- Feb 2012 **Linux administration and bash scripting competition – Linux Guru, College of Engineering Kolloppara, Pathanamthitta.**
Won first prize in the National Level Linux based Contest conducted as a part of Dhanus Tech fest
- Feb 2012 **Ethical Hacking Contest – Haxploit, Amrita Vishwa Vidyapeetham, Kollam.**
Won first prize in the National Level Ethical Hacking Contest conducted as a part of Vidyut Tech fest
- Feb 2012 **Developing Software Bot Contest – Botomatic, Amrita Vishwa Vidyapeetham, Kollam.**
Won first prize in the National Level Software Bot Developing Contest conducted as a part of Vidyut Tech fest
- Oct 2011 **Shell Scripting Contest – Tux of War, National Institute of Technology, Calicut.**
Won first prize in the National Level Shell Scripting Contest conducted as a part of Tathva Tech fest
- Sep 2011 **Shell Scripting Contest – #!/bin/bash, Model Engineering College, Cochin.**
Won first prize in the National Level Shell Scripting Contest conducted as a part of Excelmec Tech fest
- Feb 2011 **Paper Presentation Competition: Git Version Control System, Nehru College of Engineering and Research Centre, Thrissur.**
Won first prize in the Paper Presentation Competition conducted as a part of Prayaana Tech fest

Talks and Workshops

- Feb 2014 **Programming in Ruby for fun and profit**, *National Institute of Technology, Calicut.*
Led a workshop introducing ruby and its industry applications
- Jan 2014 **Ruby Programming Language**, *NSS College of Engineering, Palakkad.*
Led a workshop in programming in Ruby
- Sep 2012 **Git Version Control System**, *MES College of Engineering, Kuttippuram, Malappuram.*
Led a workshop on Git Version Control System
- Apr 2012 **Introduction to free software**, *MES College of Engineering, Kuttippuram, Malappuram.*
Presented a talk on free software and package management in debian
- Jan 2012 **Free software and web technologies**, *NSS College of Engineering, Palakkad.*
Presented a talk on free software and web technologies
- Jan 2012 **GNU/Linux Command line tools and Shell scripting**, *NSS College of Engineering, Palakkad.*
Led a workshop on GNU/Linux command line tools and shell scripting
- Sep 2011 **Git Version Control System**, *NSS College of Engineering, Palakkad.*
Led a workshop on Git Version Control System
- Aug 2011 **Fun with programming and introduction to Free Software**, *NSS College of Engineering, Palakkad.*
Presented an introductory talk on free software and how to have fun with programming
- Jul 2011 **Fun with programming and introduction to Free Software**, *MES College of Engineering, Kuttippuram, Malappuram.*
Presented an introductory talk on free software and how to have fun with programming